What is claimed is:

1. An anti-theft combination lock for car, comprising a main body, a driving unit, a lock rod, a lock plate, and an input interface;

said main body being provided with a transverse through hole for said lock rod to extend therethrough and thereby associate with said main body; said main body being mounted on a fixing seat, and a battery compartment and a memory processor being provided on said main body at predetermined positions;

said driving unit being mounted on said fixing seat to locate at one side of said main body with a power output shaft of said driving unit projected from said fixing seat; and said driving unit being under control of said memory processor;

said lock rod including a rod body provided with a plurality of annular retaining grooves;

said lock plate being a flat body having a rear end provided at a predetermined position with a hole, through which said power output shaft of said driving

unit is extended for said lock plate to fixedly connect to said power output shaft; and

said input interface including a keypad and a display located at a top surface of an outer case for said main body, and said keypad being electrically connected to said memory processor, so that signals input via said keypad are sent to said memory processor;

whereby when said lock rod is extended through said through hole on said main body, said lock plate engages with any one of said annular retaining grooves on said lock rod to locate at a locking position and produce a locked state; and when a user wants to release said lock from said locked state, a password must be entered via said input interface; and when the entered password is determined by said internal memory processor as correct, said driving unit is actuated to turn said lock plate from said locking position to an unlock position to release said lock rod from said locked state.

2. The anti-theft combination lock for car as claimed in claim 1, further comprising a first and a second

contact switch provided at predetermined positions on said main body and electrically connected to said driving unit, so that a contact signal may be sent from said first or said second contact switch to said driving unit when said lock plate is in contact with said first or said second contact switch.

3. The anti-theft combination lock for car as claimed in claim 1, wherein said driving unit is selected from the group consisting of general brake motor, servomotor, and step motor.

4. The anti-theft combination lock for car as claimed in claim 1, wherein said rod body of said lock rod has an outer diameter matching an inner diameter of said through hole on said main body.

5. The anti-theft combination lock for car as claimed in claim 1, further comprising a hold-down plate movably attached to an outer side of said lock plate opposite to said main body, and said hold-down plate being normally pushed downward by a spring embedded in a bottom surface of said lock plate.

6. The anti-theft combination lock for car as claimed

in claim 5, wherein said hold-down plate has a lower edge slightly projected from a lower side of said lock plate.

7. The anti-theft combination lock for car as claimed in claim 1, wherein said keypad of said input interface is selected from the group consisting of membrane keys and general push buttons.